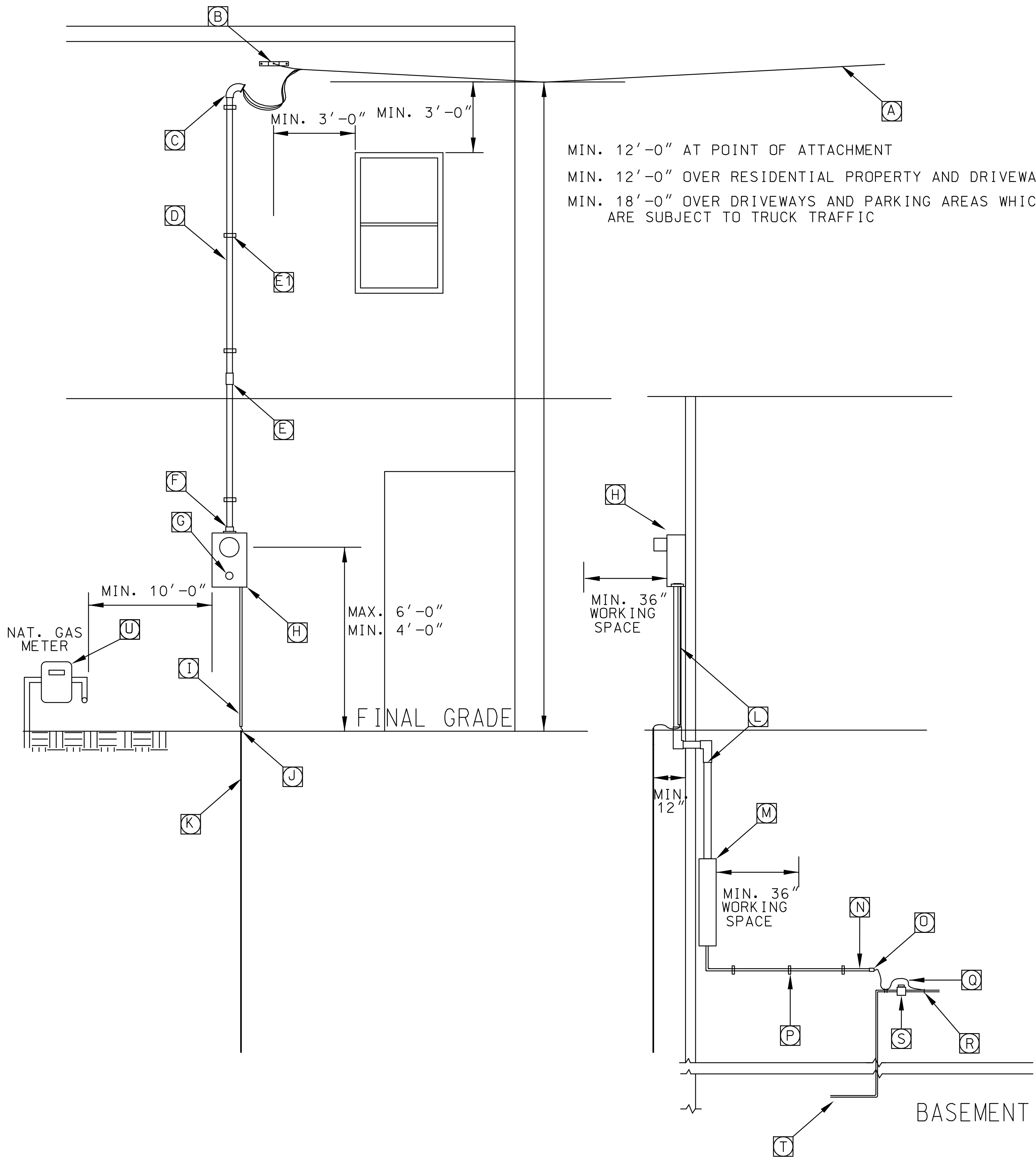


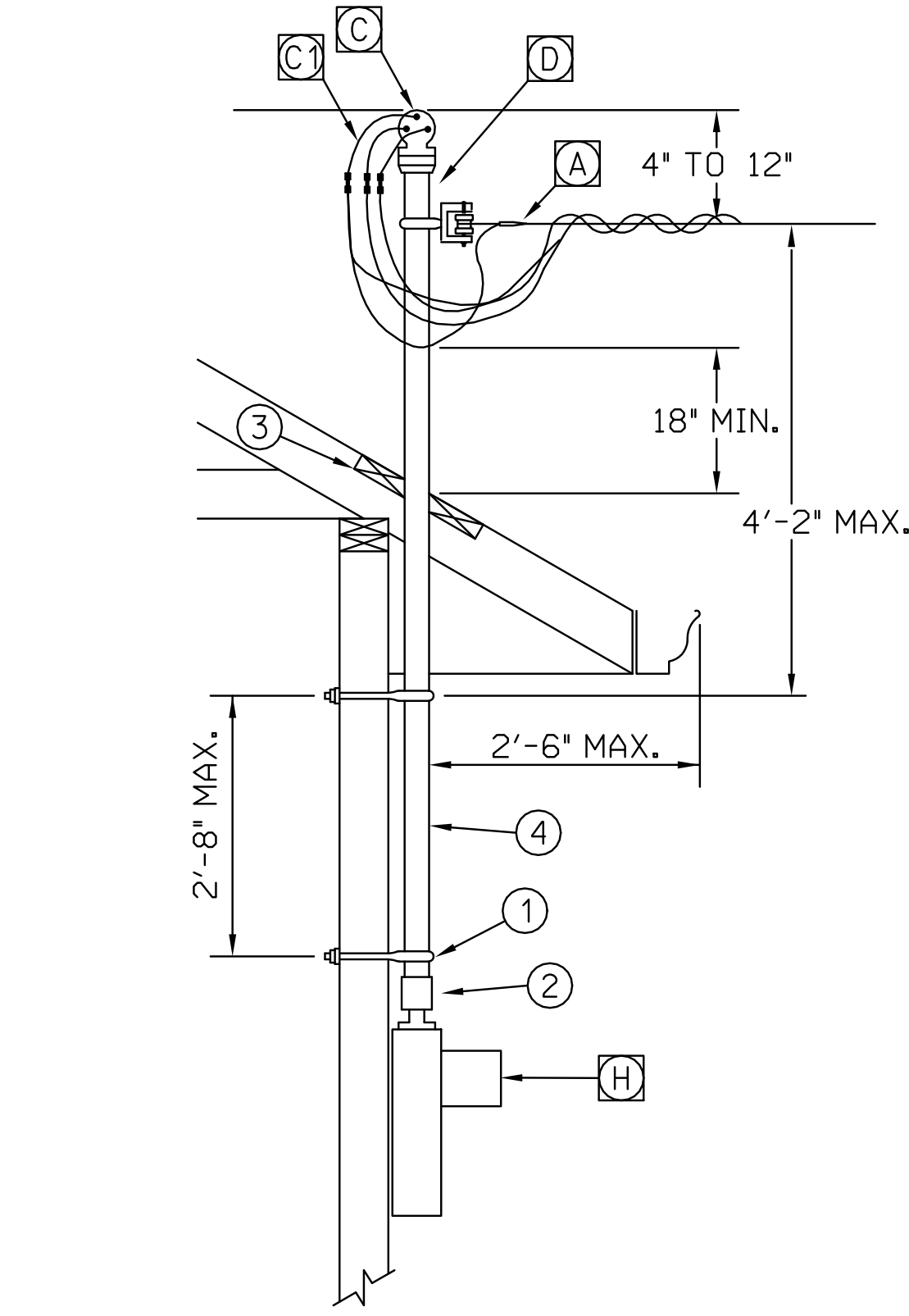
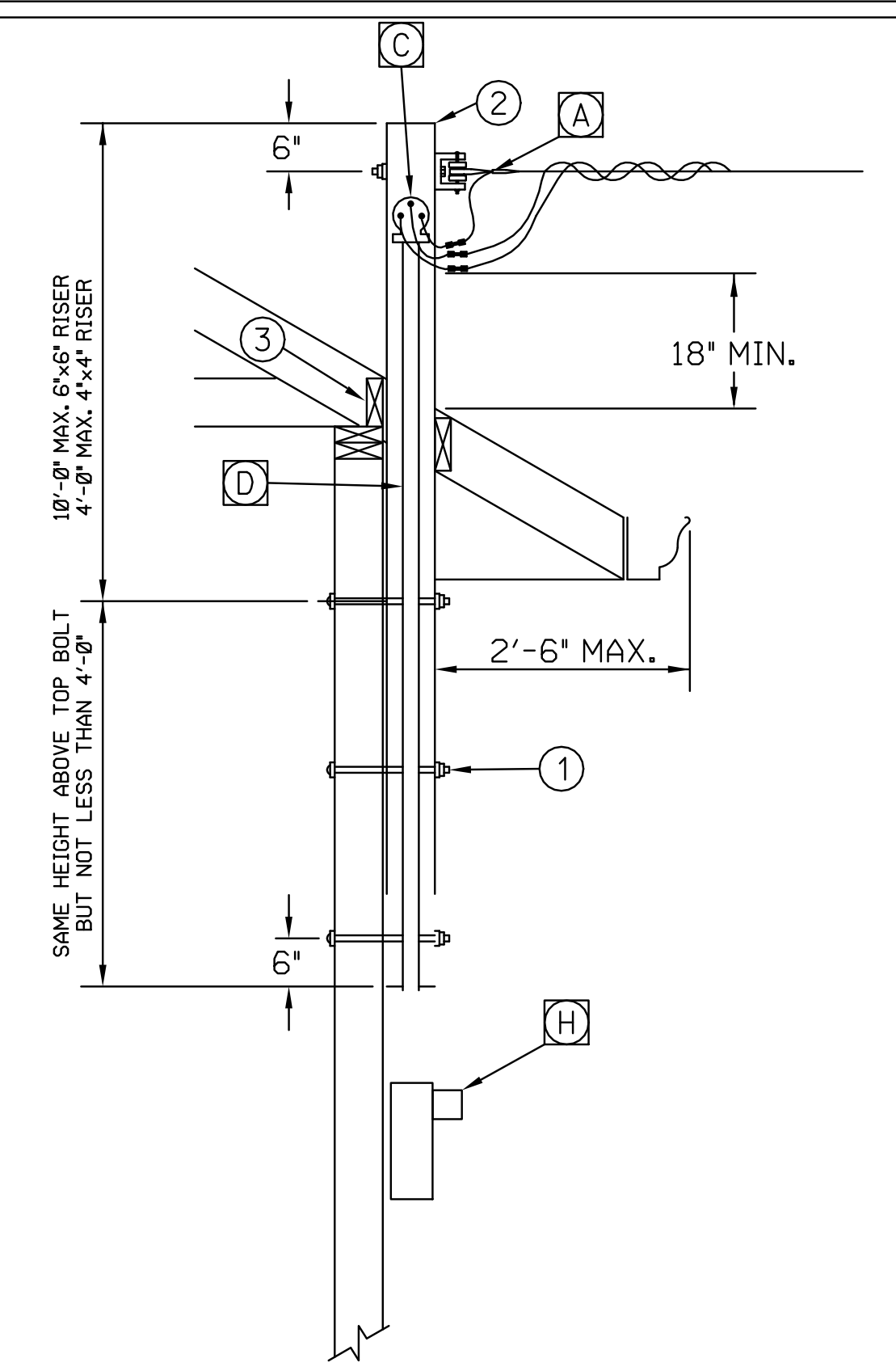
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NOTE: MINIMUM SERVICE SIZE FOR NEW ONE OR TWO FAMILY DWELLING IS 200 A.
MINIMUM SERVICE SIZE FOR NEW MULTI FAMILY OR 3 OR MORE ATTACHED FAMILY IS 100 A.

- ①. MOUNTING CLAMP WITH 1/2" BOLTS, NUTS AND WASHERS.
②. STEEL CONDUIT REDUCER.
③. 2"x4" BLOCKING SOLIDLY INSTALLED BETWEEN RAFTERS.
④. RIGID STEEL CONDUIT (2 1/2" FOR UP TO 200 AMPERES, 3" FOR LARGER SERVICE ENTRANCE EQUIPMENT.
NOTE: USE OF IMC NOT PERMITTED FOR THIS APPLICATION.

- ①. 5/8" GALVANIZED MOUNTING BOLTS (WITH NUTS & WASHERS).
②. 4"x4" OR 6"x6" PRESERVATIVE TREATED WOOD POST.
③. 2"x4" BLOCKING SOLIDLY INSTALLED BETWEEN RAFTERS.



REVISION DATE: 10/21/05

CHECKLIST AND LEGEND

- ☐ A ELECTRIC UTILITY SERVICE CONDUCTORS AND DEAD-END CONNECTOR (BY UTILITY).
☐ B HOUSE ATTACHMENT BRACKET (JOSLYN CAT. NO. J7692, OR EQUIVALENT) (2-HOLE ATTACHMENT BRACKET) PULL-OFF PLATE
☐ C WEATHERHEAD SUITABLE FOR RGS OR IMC SERVICE PIPE
☐ C1 LEAVE A MINIMUM OF 12" CONDUCTOR TAIL FOR CITY SPlicing OF SERVICE
☐ D RIGID GALVANIZED STEEL PIPE (OR IMC) AND CONDUCTORS
100 A - 2-#3 PHASE AND 1-#3 NEUTRAL THWN COPPER CONDUCTORS
IN 1-1/4 INCH PIPE (IDENTIFY NEUTRAL WITH WHITE TAPE)
200 A - 2-#3/0 PHASE AND 1-#3/0 NEUTRAL THWN COPPER CONDUCTORS
IN 2 1/2 INCH PIPE (IDENTIFY NEUTRAL WITH WHITE TAPE)
SERVICE CONDUIT IS NOT TO BE USED FOR PULL-OFF STRUCTURE
WHERE NECESSARY A SEPARATE STRUCTURAL SUPPORT IS TO BE PROVIDED AND
FIRMLY ANCHORED TO BUILDING STRUCTURAL MEMBER
THE USE OF COPPER CONDUCTORS IS PREFERRED FOR ALL SERVICE ENTRANCE
INSTALLATIONS. HOWEVER, IF ALUMINUM CONDUCTORS ARE USED AS PART OF THE
SERVICE ENTRANCE INSTALLATION, ALL CONNECTIONS, UP TO AND INCLUDING THE
CONNECTIONS AT THE MAIN CIRCUIT BREAKER, MAIN DISCONNECT, OR MAIN LUGS
OF THE MAIN SERVICE ENTRANCE PANEL MUST BE MADE BY USE OF SCMEU-APPROVED
COMPRESSION-TYPE CONNECTORS. THE USE OF MECHANICAL CONNECTORS ON
ALUMINUM SERVICE ENTRANCE CONDUCTORS SHALL NOT BE PERMITTED.
☐ E WEATHERPROOF THREADED PIPE CONNECTIONS (TYPICAL ALL EXTERNAL FITTINGS)
☐ E1 2-HOLE CONDUIT STRAPS (TYPICAL EVERY 5 FEET)
☐ F THREADED METER SOCKET HUB CONNECTOR
☐ G INSULATED RIGID GALVANIZED STEEL BUSHING CONNECTOR
☐ H METER SOCKET (METER BY UTILITY)
200 A - MILBANK CAT. NO. U7807RL200KK
OVER 200 A - CONSULT UTILITY ENGINEERING DEPT.
ADD FIFTH JAW FOR 120/208 V, 3-W SERVICE.
METER SOCKET MUST BE SECURED TO BUILDING STRUCTURAL ELEMENT
AND NOT JUST SIDING.
FOR SERVICES 400 A AND GREATER, EXTERNAL MAIN DISCONNECT/
DISCONNECTS ARE REQUIRED.
☐ I 1/2" RIGID GALVANIZED STEEL PIPE (OR IMC) WITH #4 CU GROUND WIRE
CONDUIT TO INCLUDE SUITABLE CONNECTOR AT END TO PREVENT GROUND
WIRE FROM BEING PULLED OUT OF METER SOCKET.
INSULATED GROUND CONDUCTOR TO BE CONTINUOUS TO MAIN PANEL
NOT TO BE CONECTED AT METER SOCKET.
☐ J GROUND ROD CONNECTOR (MUST BE VISIBLE)
☐ K 5/8" X 8' COPPERWELD GROUND ROD
☐ L RIGID GALVANIZED STEEL PIPE (OR IMC) AND FITTINGS WITH CONDUCTORS
200 A - 2-#3/0 PHASE AND 1-#3/0 NEUTRAL THWN COPPER CONDUCTORS
IN 2 INCH PIPE
100 A - 2-#3 PHASE AND 1-#3 NEUTRAL THWN COPPER CONDUCTORS
IN 1-1/4 INCH PIPE
☐ M PANELBOARD WITH MAIN (100 A OR 200 A) CIRCUIT BREAKER
(PANELBOARD TO BE LOCATED NO FURTHER THAN 5 FEET FROM
METERING POINT WITHOUT AN EXTERNAL DISCONNECT)
PANELBOARD TO BE SOLIDLY SECURED TO WALL AT TOP AND BOTTOM.
WHEN MOUNTED ON CONCRETE OR MASONRY WALLS, ON MINIMUM 1/2"
THICK PLYWOOD SHALL BE MOUNTED BEHIND THE ELECTRIC PANEL.
PROVIDE MINIMUM OF 36" CLEAR WORKING SPACE IN FRONT OF
PANELBOARD. (WIDTH OF CLEAR WORKING SPACE TO BE 36")
☐ N 1/2" EMT CONDUIT WITH GROUND WIRE OR A BARE ARMORED GROUND
100 A - NO. 8 COPPER GROUND WIRE
200 A - NO. 4 COPPER GROUND WIRE
☐ O 1/2' EMT CONDUIT END CONNECTOR - SECURE CONDUCTOR TO CONDUIT
☐ P 1/2" CONDUIT STRAPS (TYPICAL)
☐ Q GROUND CONDUCTOR (AS SHOWN WITH JUMPER ACROSS WATER METER)
100 A - NO. 8 COPPER GROUND WIRE
200 A - NO. 4 COPPER GROUND WIRE
☐ R GROUND CONDUCTOR TO WATER LINE CONNECTOR
☐ S WATER METER
☐ T INCOMING WATER LINE
☐ U NATURAL GAS METER A MINIMUM OF 10'-0" FROM SERVICE EQUIPMENT

NEC & NESC PRESCRIBE MINIMUM CLEARANCES FOR SERVICE WIRES